

IN THE CLAIMS

✓ Please cancel Claims 2, 5, 6, 14 and 15.

1. (once amended) An electronically commutated brushless motor comprising:

✓ a motor housing;  
✓ a bearing end cap coupled to said motor housing adapted to couple said motor to a motor driven product; and

a double insulated rotor and stator assembly annularly fitted in said housing, said double insulated rotor and stator assembly comprising a rotor assembly, wherein said rotor assembly comprises:

✓ a shaft configured to deliver torque to said motor driven product;  
✓ a rotor stack coupled to said shaft; and  
✓ a non-conductive electrically insulating tube disposed on said shaft between said shaft and said rotor stack, thereby providing a first layer of electrical insulation.

2  
3. (once amended) The motor of Claim 1, wherein said double insulated rotor and stator assembly comprises a stator assembly, and wherein said stator assembly comprises:

✓ a stator stack comprising a plurality of stator slots;

*a 1*  
*CONFIDENTIAL*  
a plurality of windings wound in said stator slots; and

non-conductive electrically insulating material disposed into said stator slots around said windings in said stator slots, thereby providing a second layer of electrical insulation.

*a 2*  
4. (once amended) The motor of Claim 1, wherein said insulating tube comprises a fiberglass tube.

*a 3*  
7. (once amended) A method for providing protection against electrical shock when a user comes into contact with accessible metal of a motor driven product coupled to an electronically commutated brushless motor, the motor including a motor housing, a rotor assembly having a rotor shaft and a rotor stack, and a stator assembly annularly fitted in the housing, said method comprising:

✓ providing a first layer of insulation in the stator assembly; and  
✓ providing a second layer of insulation in the rotor assembly, wherein the second layer of insulation includes a non-conductive electrically insulating tube disposed on said rotor shaft between said shaft and said rotor stack.

*a 4*  
11. (once amended) The method of Claim 10, wherein providing a second layer of insulation comprises providing a fiberglass insulating tube.

*a 5*  
14. (once amended) An electronically commutated brushless motor configured to be coupled to a motor driven product, said motor comprising:

✓ a stator stack comprising a stack of steel laminations including a plurality of stator slots;

*a5*  
*compld.* ✓ a plurality of windings wound in said stator slots, said windings configured to generate a revolving magnetic field;

✓ a first layer of electrical insulation between current carrying components of said motor and accessible metal of said motor, said first layer comprising a non-conductive electrically insulating material disposed into said stator slots around said windings in said stator slots;

✓ a shaft configured to deliver torque to said motor driven product;

✓ a rotor stack comprising a stack of steel laminations configured to rotate in said revolving magnetic field and thereby deliver torque to said shaft; and

✓ a second layer of electrical insulation between current carrying components of said motor and accessible metal of said motor, said second layer comprising a non-conductive electrically insulating tube disposed on said shaft between said shaft and said rotor stack.